General Environmental Incident Summary

Incident: 3896 **Date/Time Notice:** 9/6/2015 **DEM Incident No:**

Responsible Party: Secure Energy Services

Date Incident: **9/5/2015** **Time Incident:** 14:00 **Duration:** 2 hours

County: Williams **Twp:** 157 **Rng:** 101 **Sec:** 36 **Qtr:** SE

Lat: 48.37332 **Long:** -103.66910 **Method:** Navigation quality GPS

Location Description: Secure Energy 13 Mile Special Waste Landfill
14 miles north of Williston, 2 miles west of Highway 85
Mailing address: 13809 66th Street NW

Submitted By: Gretchen Anderson **Affiliation:**

Address: 5807 West Front Street

City: Williston **State:** ND **Zip:**

Received By:

Contact Person: Melissa Gibb
5807 West Front Street
Williston, ND 58801

Distance Nearest Occupied Building: **Release Contained:** Yes

Type of Incident: leachate overflow from cell

Description of Released Contaminant: **landfill leachate**

Volume Spilled: **1500.00 barrels** **Ag Related:** No

EPA Extremely Hazardous Substance: No **Reported to NRC:** No

Cause of Incident:

Heavy rainfall occurred and the southeast corner of the landfill cell very quickly filled with water and caused and overflow

Risk Evaluation:

no immediate risks

# of Fatalities: **# of Injuries:** **Affected Medium:** 04 - water and soil

Potential Environmental Impacts:

Some of the leachate may have soaked into the ground,impacting soil quality and possibly groundwater.This
will be evaluated. In addition, the leachate may have affected the quality of the water in the surface water pond. This will also be evaluated

Action Taken or Planned:

Vac trucks were brought on site immediately as well as trash pumps running, overflow was contained within 2 hours of incident. The stromwater pond will be sampled for contaminates and the southeast corner of the cell will be corrected ASAP.

Wastes Disposal Location:

Agencies Involved:

Updates

Date: 9/8/2015 ***Status:*** Reviewed - Assigned to NDDoH Division ***Author:*** O'Gorman, Brian

Updated Volume:

Notes:

Release due to an overflow of the landfill cell. Leachate water flowed to the stormwater pond. Secure Energy 13 Mile Special Waste Landfill is a facility permitted by the Division of Waste Management. Waste Management retains oversight.

Date: 9/11/2015 ***Status:*** Inspection ***Author:*** Kangas, Kathleen

Updated Volume:

Notes:

On-site 09/08/2015 Weather is 66 degrees F, sunny, wind 13mph West. Spoke to on-site representatives. NE corner of landfill overflowed and ran offsite towards stormwater pond. Field high range chloride strip testing shows 1,011 ppm chloride when sampling storm water pond. Field electrical conductivity readings of soil downslope from the NE corner shows potential chloride impact. Field EC readings in the potential impact areas ranged from 1111 us/cm to 2.05 ms/cm. Background readings taken near rockpile North of landfill show 767 us/cm to 909 us/cm. Staff is running pump/hose from NE corner of cell to lined leachate pond and pumping this water from the lined leachate pond into tank truck for disposal at the Secure Energy salt water disposal site. Secure Energy staff is pulling waste back in the NE corner to allow for more room. Plans are for increasing the berm height in the NE corner.

Date: 10/14/2015 ***Status:*** Reviewed - Assigned to NDDoH Division ***Author:*** Kangas, Kathleen

Updated Volume:

Notes:

On site at 3:15 p.m. Sunny, 66 degrees, wind 8 mph WNW. Conductivity of remaining stormwater is 848 uS/cm. Checked stormwater pond water with chloride strip which showed 8.8 on low-range strip which is over the max on this strip. (Note: 7.6 is 610 ppm). There appeared to be some abrasions and tears in the liner on the north and east. It is unknown how deep these may go. No apparent removal of soil in flow path yet. Discussed with on-site staff in office and Division of Waste Management staff in Bismarck.

Date: 2/4/2016 ***Status:*** No Further Action Requested ***Author:*** Kangas, Kathleen

Updated Volume:

Notes:

Secure Energy staff was in contact with Division of Waste Management staff during fall of 2015. Sample test results were received. Stormwater pond has been excavated down at least a foot. NE berm of landfill has been built up to keep future leachate from running out of active landfill area. It appears appropriate remediation action has taken place.